

Safoan Miah

United Kingdom, London

github.com/SafoanMiah | linkedin.com/in/safoan

safmiah.sm@gmail.com | +44 7404034660

personal site: safoan.me

EDUCATION

Northeastern University London — B.S in Data Science

Sep 2023 – Sep 2026

- **Relevant Courses:** Java, Object-Oriented C#, Probability and Statistics, Database Design, ML

Mulberry Academy Shoreditch — A Levels

Sep 2021 – Sep 2023

- **Subjects:** Computer Science, Physics, Maths, EPQ

TECHNICAL SKILLS

Programming: Python (Data, RL, Pandas, libs), PostgreSQL, PyTorch, C#, Data Visualization Tools

Machine Learning: Regression, Classification, Clustering, Neural Networks, Reinforcement Learning

PROJECTS

RL Emergency Autonomous Vehicle (CARLA)

github.com/SafoanMiah/RL-emergency-autonomous-driving

- Developed a Reinforcement Learning model for emergency vehicles, prioritizing speed and travel time through a custom env with sensors like LiDAR, RGB, GNSS, etc, and PPO for training, model was 4x faster in point A-B navigation compared to standard built-in autopilot.

Uber Fares Regression Models Comparison

github.com/SafoanMiah/uber_regression_models | regression-price.streamlit.app

- End-to-end regression project by cleaning data, analyzing features, and deploying a real-time web app with SQL integration. Identified GRB as the best model through evaluation for this.

WORK & EXPERIENCE

Software Academy Programming Tutor

Apr 2024 — Present

- Mentored Python and Data projects, simplifying technical concepts for non-technical learners.
- Collaborated with co-workers to create plans and applications to track and monitor the student's progress and engagement. Discovered that average grades increased by 60% within 2 semesters.

Outlier — AI Evaluator

Feb 2024 – Present

- Assessed and ranked AI-generated maths solutions, enhancing model accuracy by 15%.
- Developed a structured evaluation framework, providing feedback, and correcting the mathematical model, improving model reliability and reasoning for deployment.

HSBC insight — Global Banking & Global Markets — Intern

Apr 2024

- Developed actionable insights using financial data, with a regression model, contributing to a strategic case report that improved market evaluation by 30% over using no model.
- Led quantitative analysis of 10+ case studies through quantitative analysis, revealing critical trends that shaped marketing and financial strategies.

CERTIFICATIONS & COURSES

Data Science: Machine Learning Bootcamp, SQL Bootcamp, IBM Data Science Cert, PyTorch

Finance & Markets: Bloomberg Markets, AmplifyME Finance

Additional: J.P. Morgan STEM program, RAF Air Cadets (3 years)